FIG.1

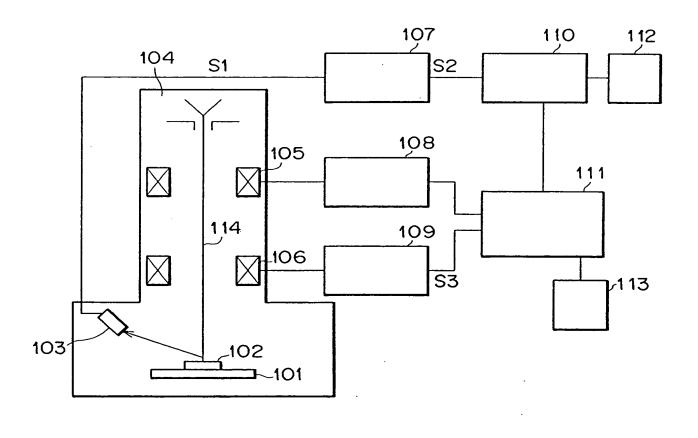


FIG.2

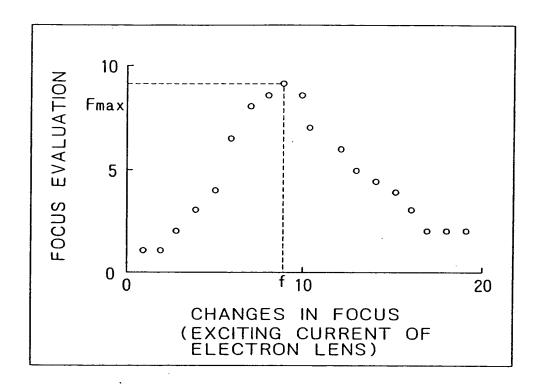


FIG.3

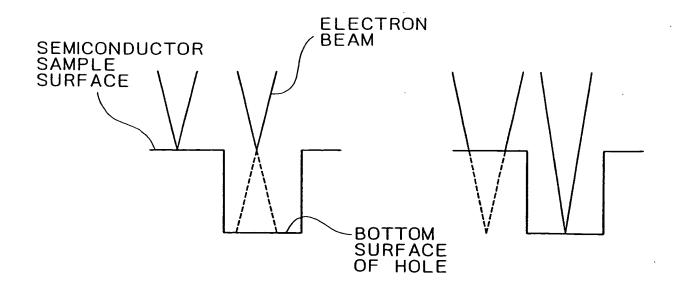
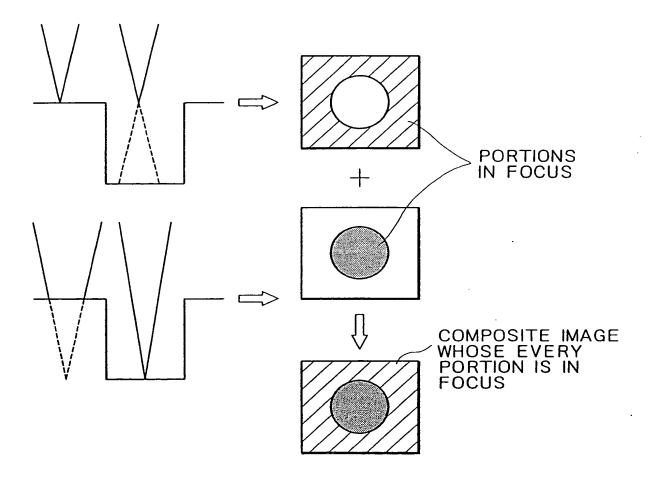
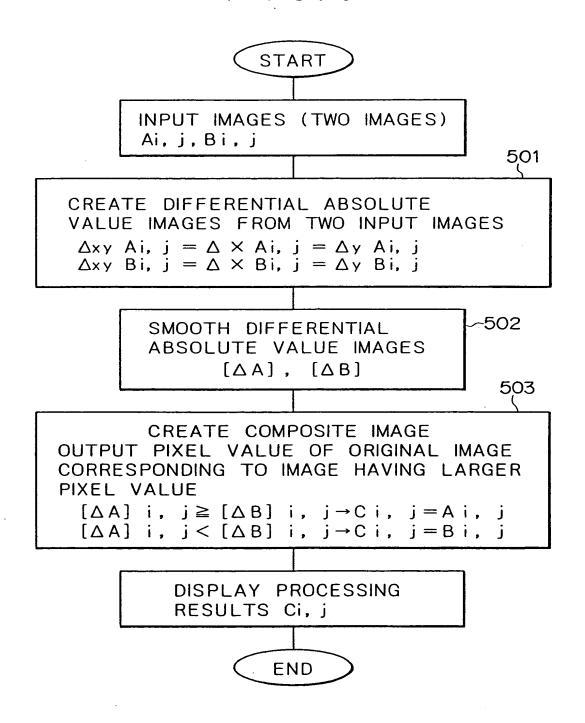


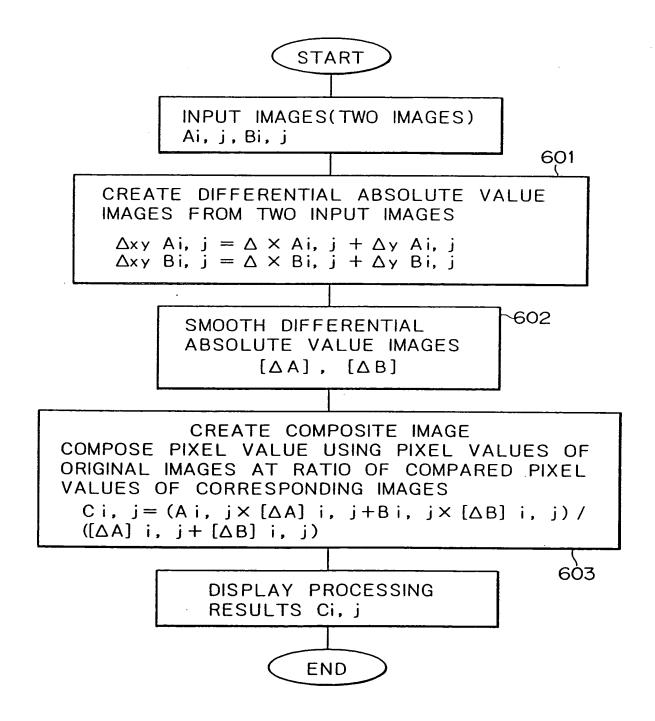
FIG.4



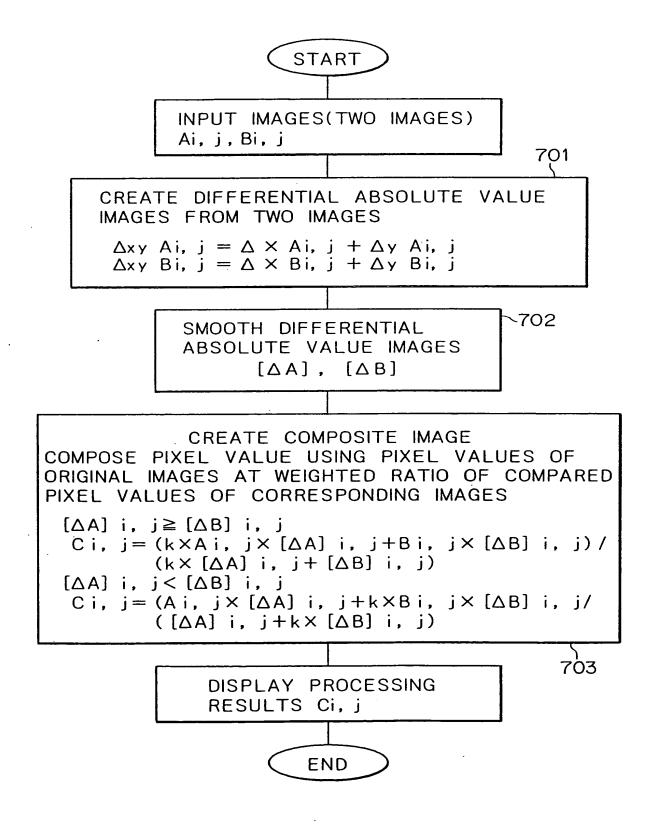
F 1 G. 5



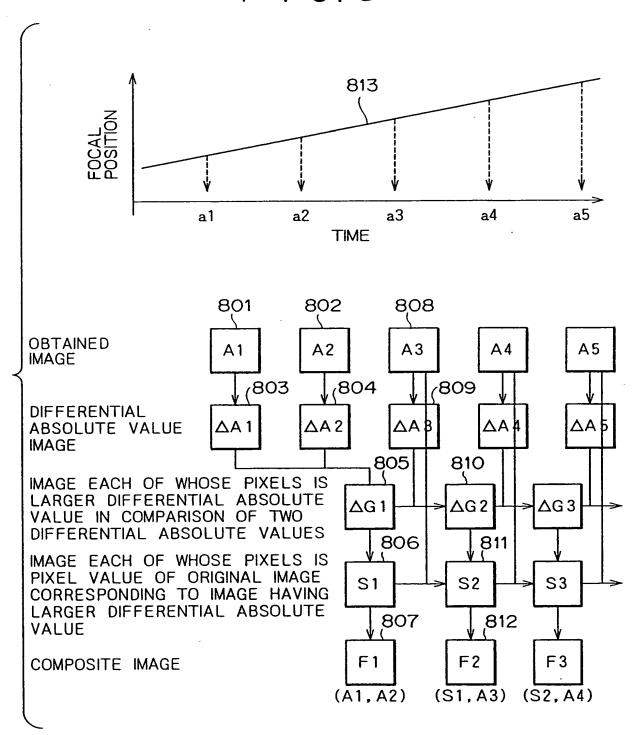
F 1 G. 6



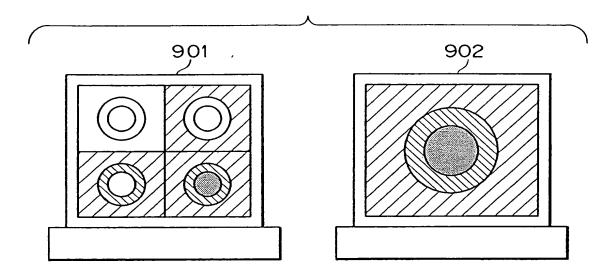
F 1 G.7



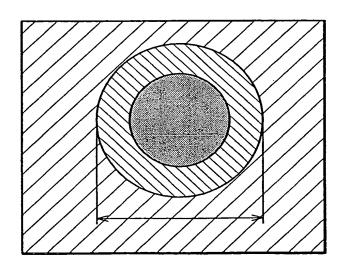
F I G. 8



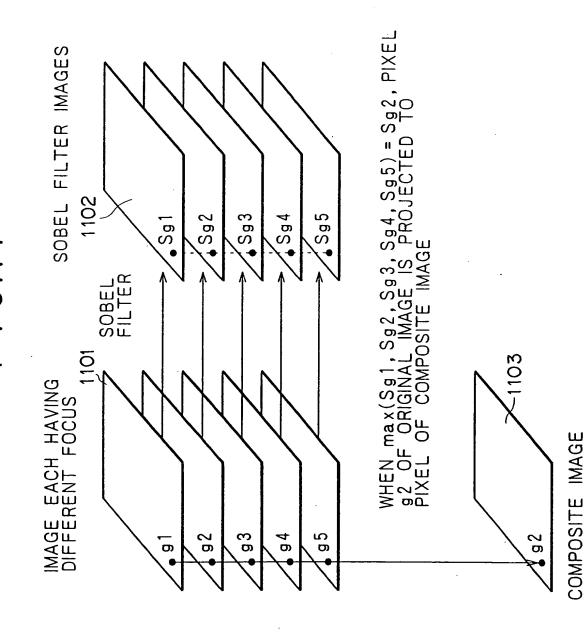
F I G. 9



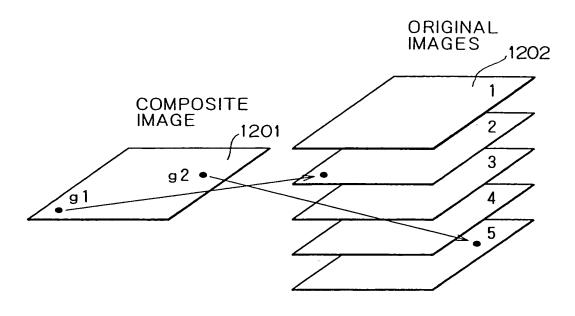
F I G.10



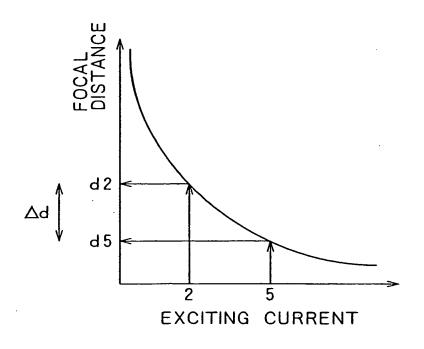
F | G.11



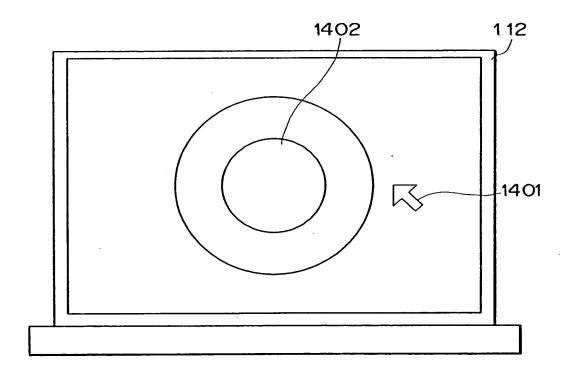
F I G.12



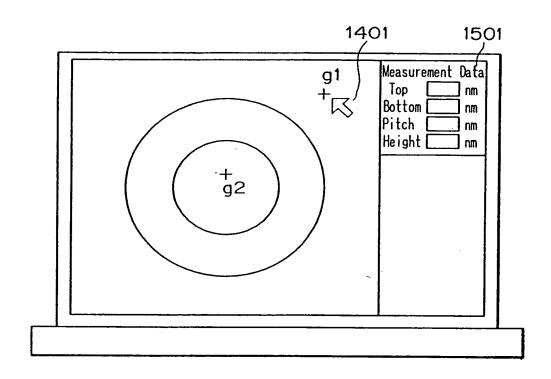
F I G.13



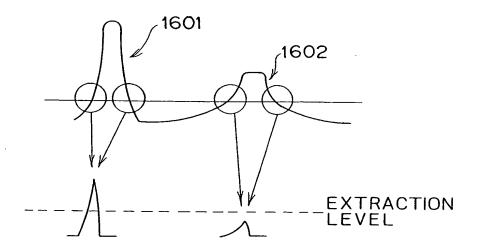
F I G.14



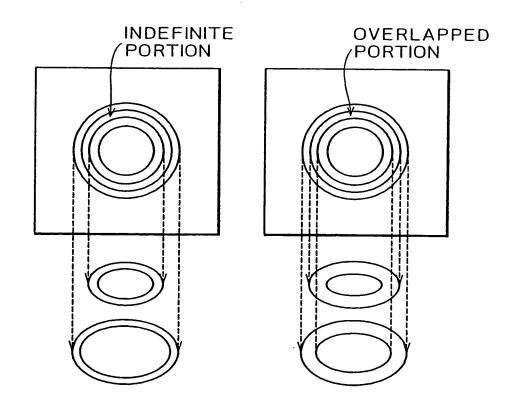
F I G.15



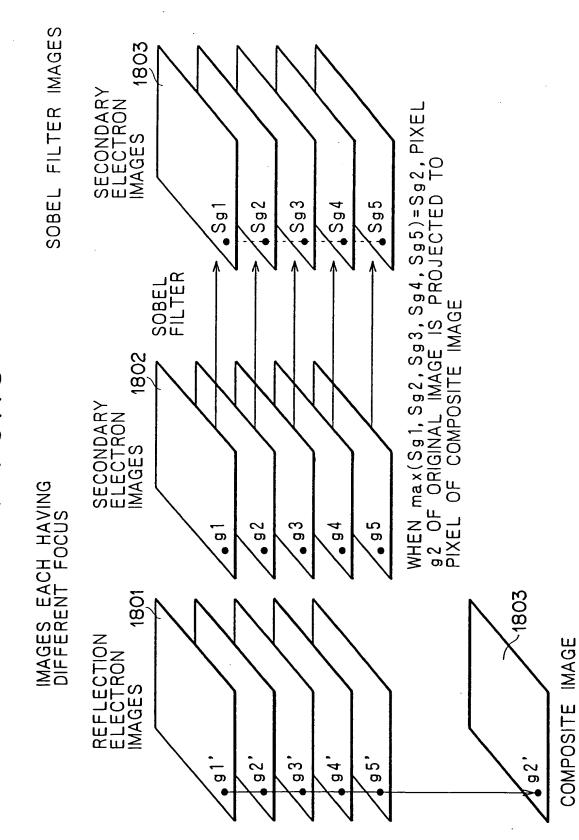
F I G.16



F I G.17



F I G.18



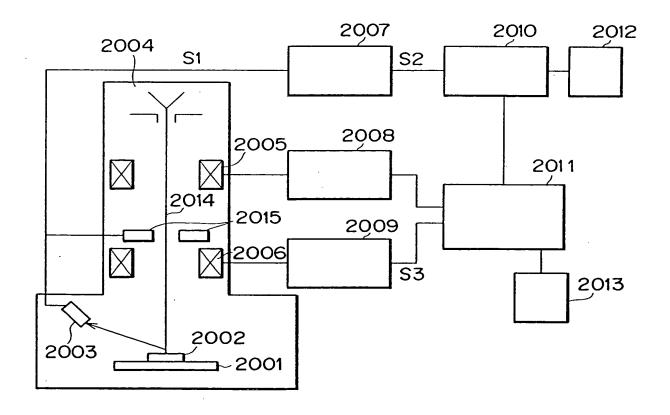
REFLECTION ELECTRON IMAGE

F - G.19

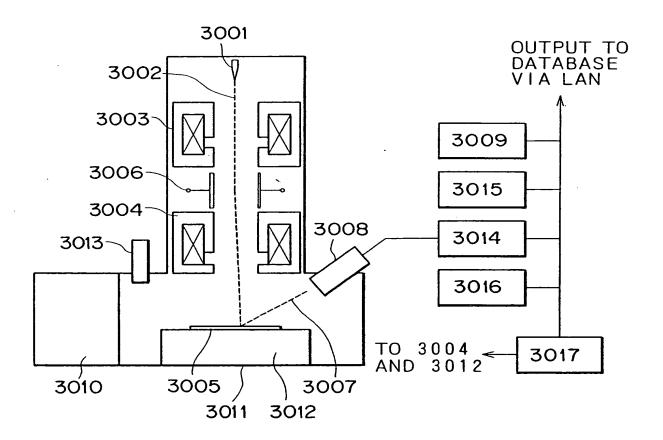


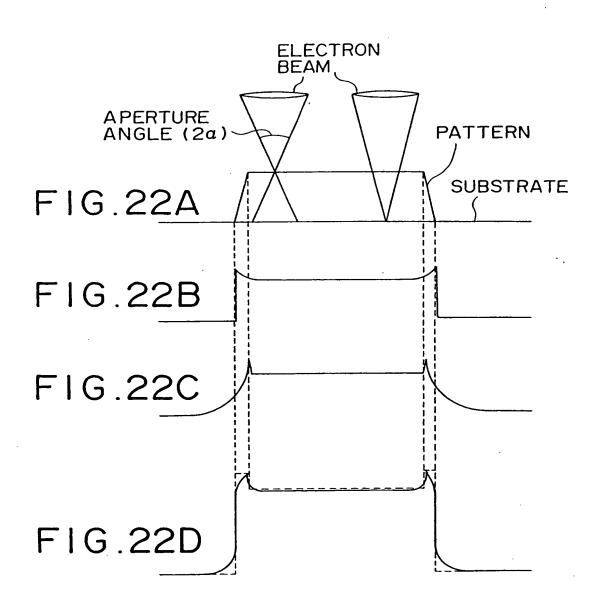
AREA WHOSE IN-FOCUS DEGREE
IS DETERMINED USING SECONDARY
ELECTRON IMAGES

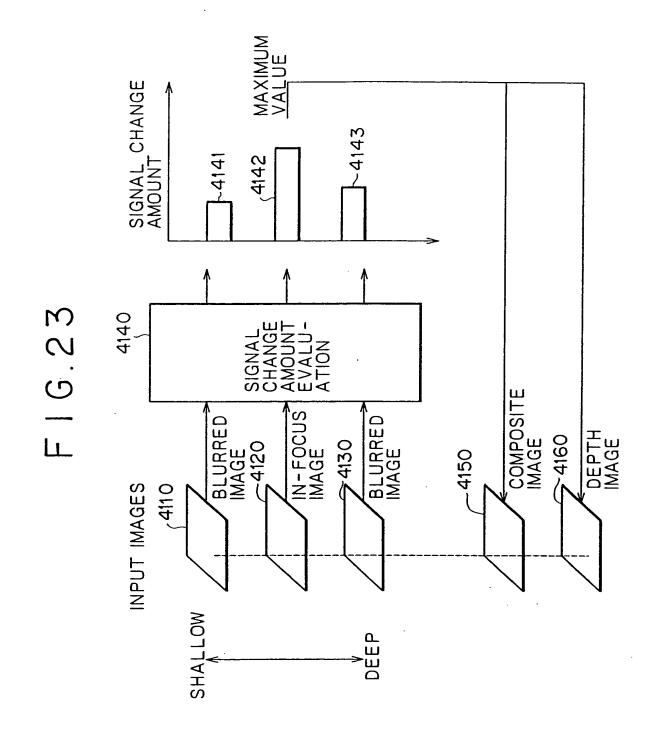
F1G.20



F I G.21







F1G.24

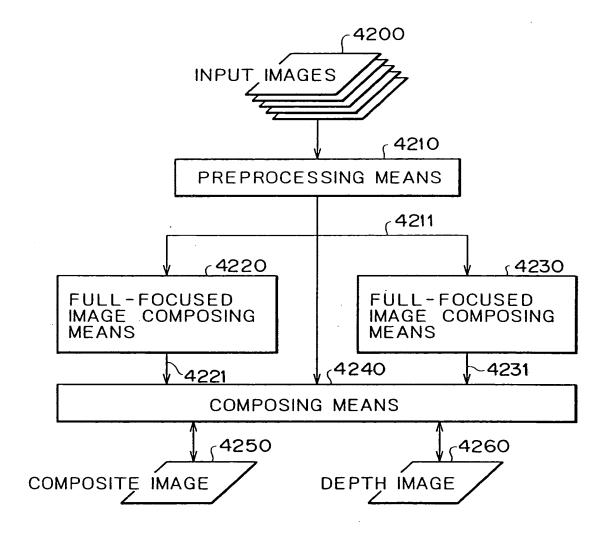
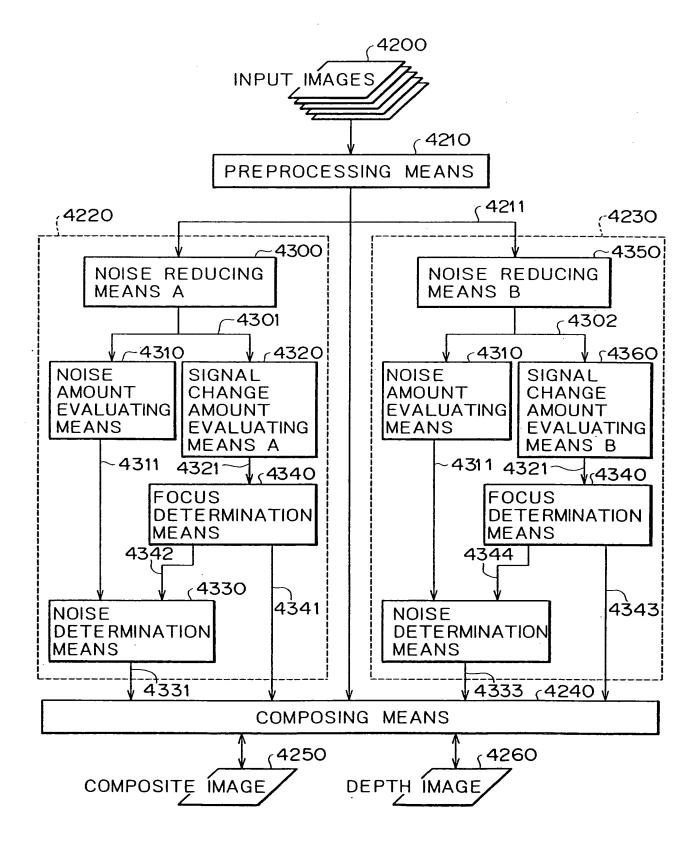
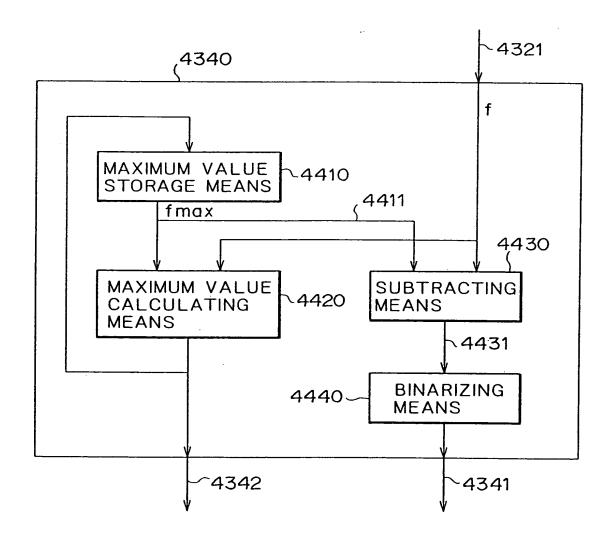


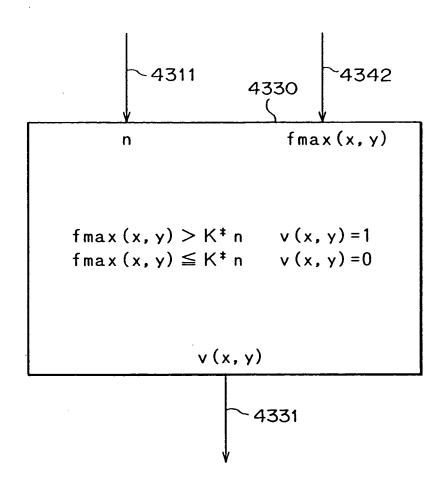
FIG.25



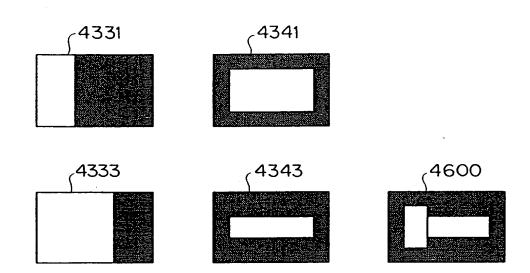
F1G.26



F1G.27

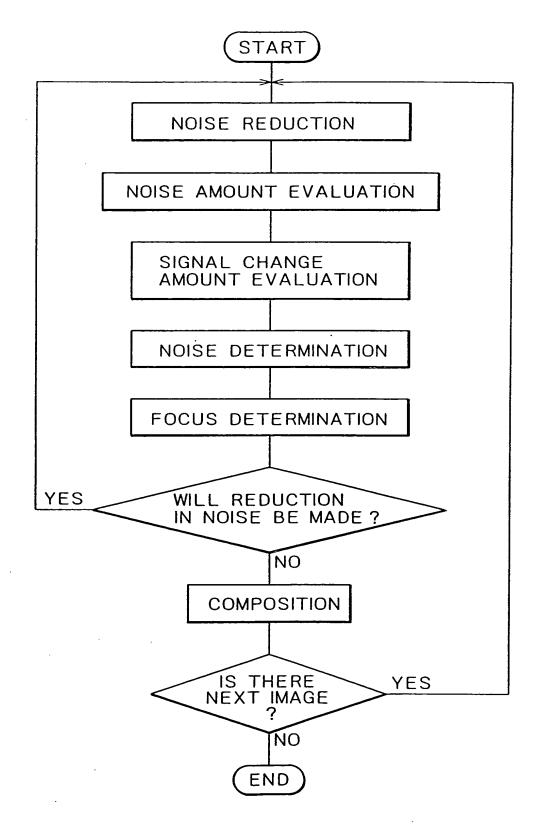


F1G.28

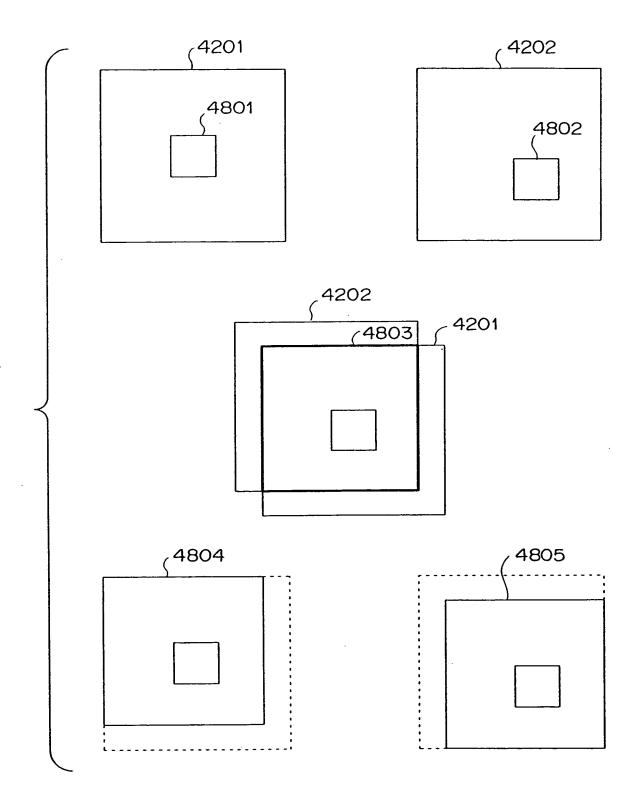


4331	4333	4341	4343	4250	4260
1	_	1		4211	DEPTH INFORMATION ABOUT 4211
1		0	_	4250	4260
0	1	_	1	4211	DEPTH INFORMATION ABOUT 4211
0	1		0	4250	4260
0	0	_	1	4211	DEPTH INFORMATION ABOUT 4211
0	0		0	4250	4260

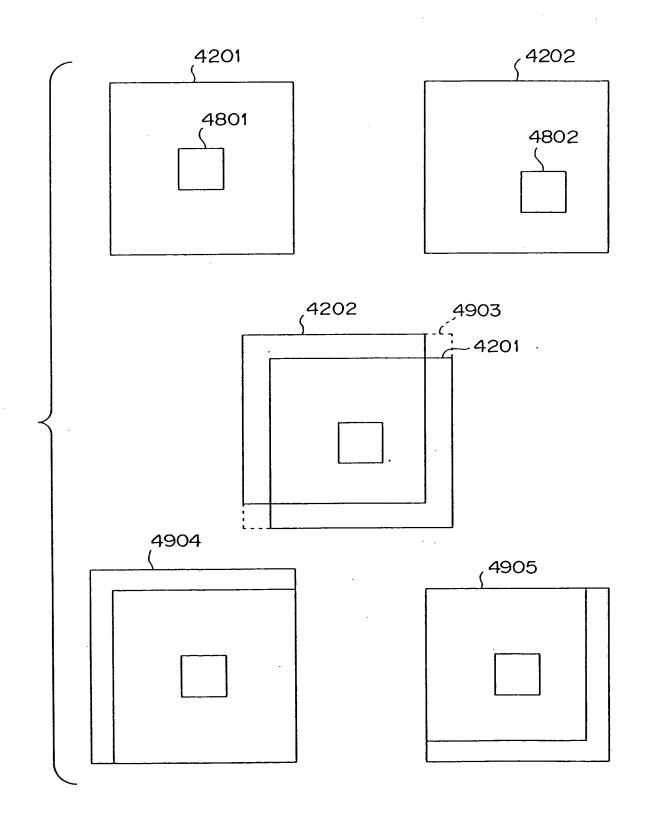
FIG.29



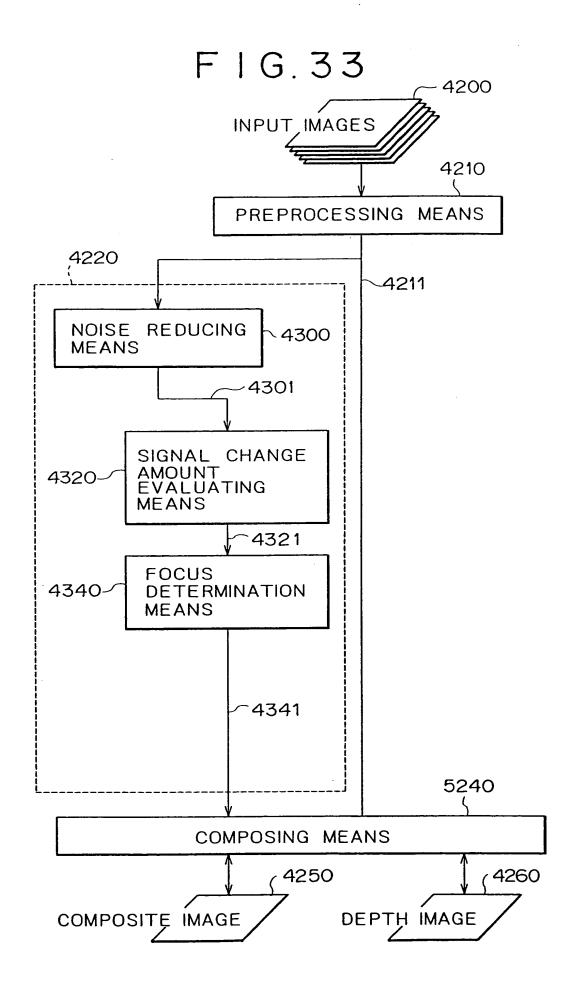
F1G.30

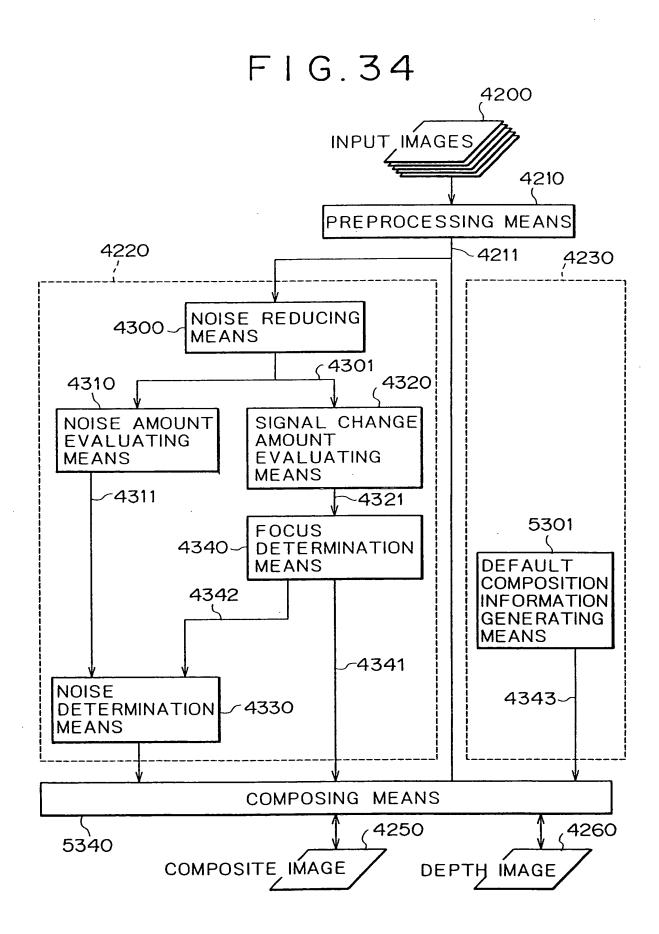


F I G.31

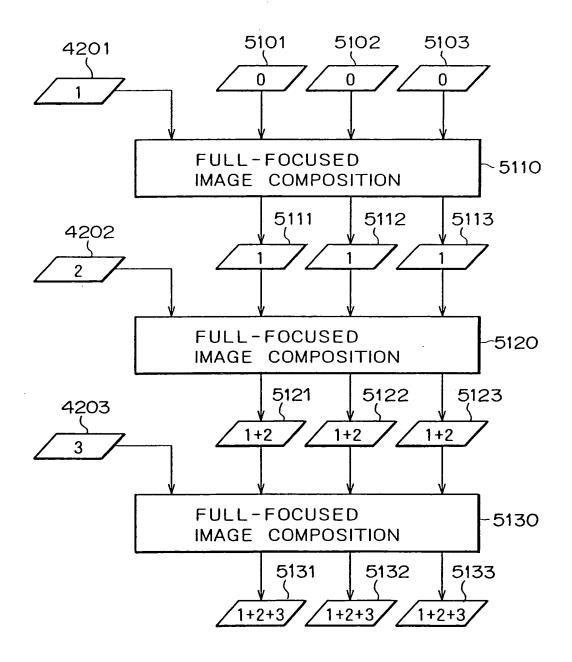


HISTOGRAM OF f1 AFTER INTENSITY MATCHING PIXEL VALUE PIXEL VALUE HISTOGRAM OF 12 AFTER INTENSITY MATCHING ပ FREQUENCY FREQUENCY F16.32 f1=f1+c-a f2=f2+c-b HISTOGRAM OF f1 BEFORE INTENSITY MATCHING PIXEL VALUE PIXEL VALUE HISTOGRAM OF 12 BEFORE INTENSITY MATCHING O FREQUENCY FREQUENCY

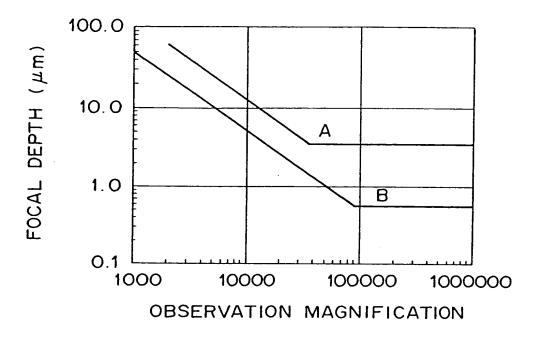




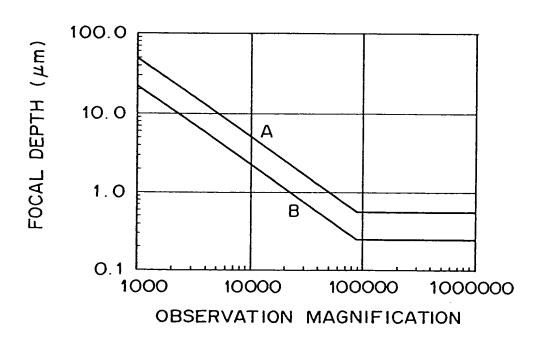
F1G.35



F I G. 36



F I G. 37



F1G.38

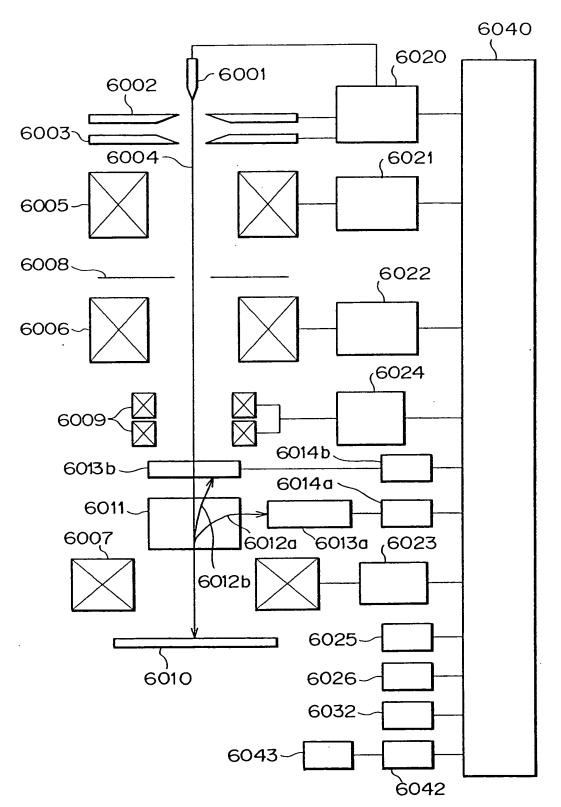


FIG.39

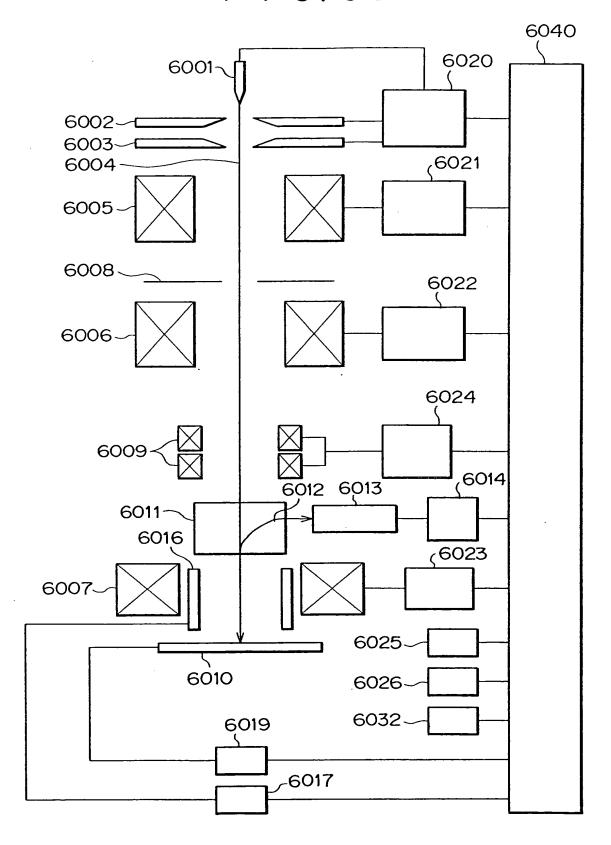
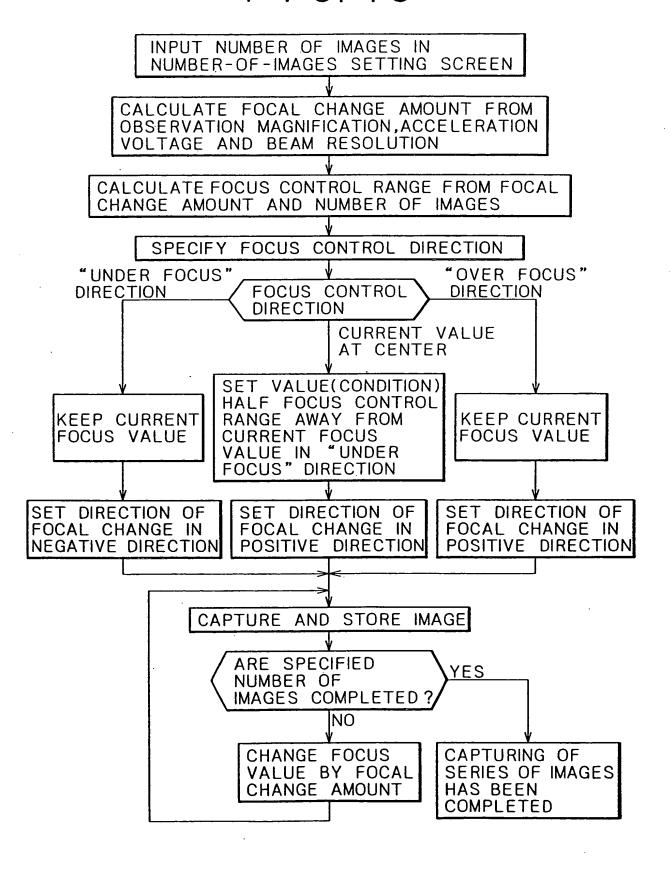
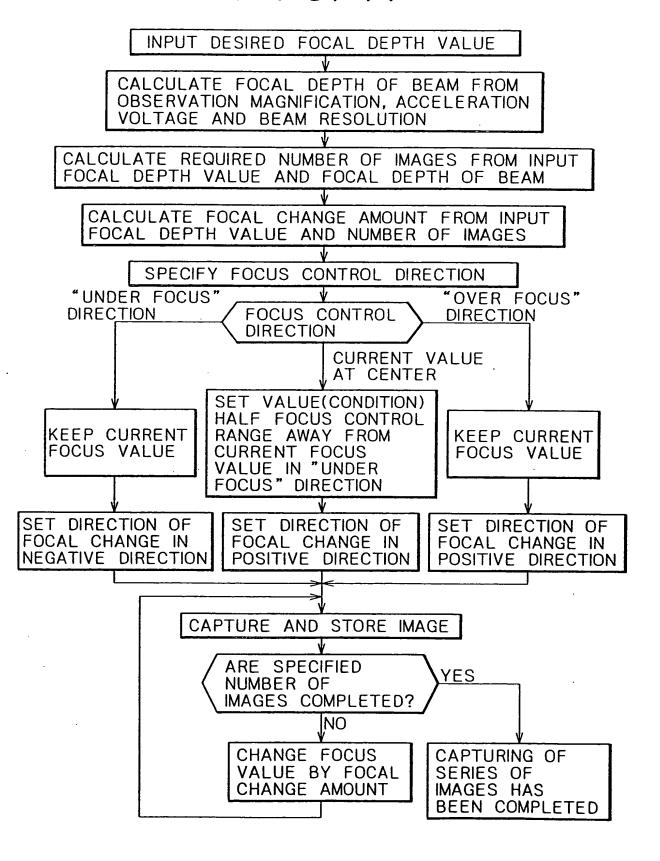


FIG. 40



F I G. 41



F I G. 42

SET LOWEST PORTION OF SAMPLE IN FOCUS AND REGISTER FIRST FOCAL CONDITION SET HIGHEST PORTION OF SAMPLE IN FOCUS AND REGISTER SECOND FOCAL CONDITION CALCULATE FOCAL DEPTH OF BEAM FROM OBSERVATION MAGNIFICATION, ACCELERATION VALTAGE AND BEAM RESOLUTION CALCULATE REQUIRED NUMBER OF IMAGES FROM REQUIRED FOCAL DEPTH AND FOCAL DEPTH OF BEAM CALCULATE FOCAL CHANGE AMOUNT FROM INPUT FOCAL DEPTH VALUE AND NUMBER OF IMAGES SPECIFY REGISTERED FIRST FOCAL CONDITION SET DIRECTION OF FOCAL CHANGE IN POSITIVE DIRECTION CAPTURE AND STORE IMAGE ARE SPECIFIED NUMBER YES OF IMAGES COMPLETED? NO. CHANGE FOCUS CAPTURING OF SERIES OF IMAGES VALUE BY FOCAL CHANGE AMOUNT HAS BEEN COMPLETED